

IN THE CLAIMS

1. (Original) An integrated circuit device adapted to be loaded in host equipment, comprising:

a substantially rectangular main body unit;

a first set of connection terminals provided at one end of said main body unit to enable electrical connection between said main body unit and the host equipment;

a plurality of loading sections provided in said main body unit, each of said loading sections having an insertion opening along an edge of said main body unit transverse to said one end and a second set of connection terminals spaced from said insertion opening;

a plurality of substantially rectangular integrated circuit chips assembled in respective ones of said loading sections, each of said integrated circuit chips including a built-in integrated circuit unit forming a memory unit or a logic circuit and a third set of connection terminals for establishing electrical connection between said second set of connection terminals in said loading section and said integrated circuit unit;

a guide support provided in each of said loading sections and extending in a direction transverse to said insertion opening for guiding the insertion of said integrated circuit chips into said loading sections; and

a controller disposed in said main body unit for controlling the writing of information signals to and the readout of information signals from said plurality of integrated circuit chips loaded in said loading sections.

2. (Original) A memory device adapted to be loaded in host equipment, comprising:

a substantially rectangular main body unit;

a first set of connection terminals provided at one end of said main body unit to enable electrical connection between said main body unit and the host equipment;

a plurality of loading sections provided in said main body unit, each of said loading sections having an insertion opening along an edge of said main body unit transverse to said one end and a second set of connection terminals spaced from said insertion opening;

a plurality of substantially rectangular memory chips assembled in respective ones of said loading sections, each of said memory chips including a memory unit therein and a third set of connection terminals for establishing electrical connection between said second set of connection terminals in said loading section and said memory unit;

a guide support provided in each of said loading sections and extending in a direction transverse to said insertion opening for guiding the insertion of said memory chips into said loading sections; and

a controller disposed in said main body unit for controlling the writing of information signals to and the readout of information signals from said plurality of memory chips loaded in said loading sections.

3. (Original) The memory device according to claim 2, wherein the main body unit has a width of approximately 21.45 mm, a length of approximately 50 mm and a thickness of approximately 2.8 mm.

4. (Original) The memory device according to claim 2, wherein said memory unit is a flash memory.

5. (Original) An adapter device adapted to be loaded in host equipment, comprising:

a substantially rectangular main body unit;

a first set of connection terminals provided at one end of said main body unit to enable electrical connection between said main body unit and the host equipment;

a plurality of loading sections provided in said main body unit, each of said loading sections having an insertion opening along an edge of said main body unit transverse to said one end and a second set of connection terminals spaced from said insertion opening;

a plurality of substantially rectangular integrated circuit chips or dummy chips assembled in respective ones of said loading sections, each of said integrated circuit chips including a built-in integrated circuit unit forming a memory unit or a logic circuit in electrical connection with said second set of connection terminals in said loading section, each of said dummy chips being of substantially the same shape as said integrated circuit chips;

a guide support provided in each of said loading sections and extending in a direction transverse to said insertion opening for guiding the insertion of said integrated circuit chips or said dummy chips into said loading sections; and

a controller disposed in said main body unit for controlling said integrated circuit chips loaded in said loading sections.

6. (Original) A substantially rectangular integrated circuit chip adapted to be loaded in an adaptor device for use in host equipment, said integrated circuit chip comprising:

a main body unit removably insertable into the adaptor device;

an integrated circuit unit disposed in said main body unit;

a set of terminals provided at one end of said main body for establishing an electrical connection enabling information signals to be exchanged between said integrated circuit unit and the adaptor device; and

a guide support unit provided on a side of said main body unit for guiding the insertion of said main body unit into the adaptor device.

7. (Original) The integrated circuit chip according to claim 6, wherein said integrated circuit chip is a flash memory.

8. (Original) The integrated circuit chip according to claim 6, wherein said integrated circuit chip is a logic circuit unit.

9. (Original) A substantially rectangular dummy chip adapted to be loaded in an adaptor device for use in host equipment, comprising:

a main body unit removably insertable into the adaptor device; and

a guide support unit provided on a side of said main body unit for guiding the insertion of said main body unit into or removal of said main body unit from the adaptor device.